Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/05/2021 09:06 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124742	-1	1.21	124652	1.15
Blue	F	SSC	125000	123546	-2	2.44	123890	2.27
Blue	E	FITC	13131	12715	-4	2.20	294	14.90
Blue	D	PE	24112	23643	-2	1.60	543	10.37
Blue	B	PerCP-Cy5-5	31295	30924	-2	2.92	1026	14.01
Blue	A	PE-Cy7	19939	19685	-2	5.06	521	28.37
Red	C	APC	42122	41842	-1	3.02	1754	11.27
Red	A	APC-Cy7	22340	21472	-4	3.34	804	11.63
Violet	B	V450	7410	7054	-5	3.73	429	12.12
Violet	A	V500	28118	26543	-6	3.35	664	9.45

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23226	0.98	563	-6	N/A	N/A	Pass
Blue	F	SSC	57506	1.13	514	2	N/A	N/A	Pass
Blue	E	FITC	53	54.62	483	-4	0.0484	147	Pass
Blue	D	PE	113	36.61	485	-3	0.4947	370	Pass
Blue	B	PerCP-Cy5-5	191	34.88	582	-4	0.0216	84	Pass
Blue	A	PE-Cy7	106	64.38	623	-5	0.0232	0	Pass
Red	C	APC	406	23.46	576	0	0.0286	163	Pass
Red	A	APC-Cy7	180	26.87	548	-3	0.0062	766	Pass
Violet	B	V450	60	60.31	454	1	0.0679	2282	Pass
Violet	A	V500	96	31.88	465	0	0.0290	661	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.91	-31.82	1.03
Blue	20.37	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.41
Red	17.01	13.60 - 20.40	N/A	N/A	30.31	30.44	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9547

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments